

Applicants: Fox et al.

Serial No.: 09/997,610

Filed: November 29, 2001

For: ADIPOCYTE COMPLEMENT RELATED PROTEIN ZACRP13

A2
Amended

X represents any amino acid residue and the number in parentheses () indicates the amino acid number of residues. The amino acid residues contained within the square parentheses [] restrict the choice of amino acid residues at that particular position. There is a fair amount of conserved structure within the C1q domain to enable proper folding.

In the Claims

Please amend claims 6, 8, 10, 11 and 12.

Please cancel claim 7, without prejudice.

Please add claims 22-25.

The amended and new claims are provided below in clean form. Per 37 C.F.R. §1.121, amended claims are also shown in Appendix A with notations to indicate changes made (for convenience, all pending claims, including those added hereby, are provided in Appendix A.).

A3

1. 6. (Amended) An isolated nucleic acid molecule encoding a polypeptide wherein the encoded polypeptide comprises amino acid residues selected from the group consisting of:

- (a) amino acid residues 19-45 of SEQ ID NO:2;
- (b) amino acid residues 18-45 of SEQ ID NO:2;
- (c) amino acid residues 1-45 of SEQ ID NO:2;
- (d) amino acid residues 19-149 of SEQ ID NO:2;
- (e) amino acid residues 18-149 of SEQ ID NO:2;
- (f) amino acid residues 1-149 of SEQ ID NO:2; and
- (g) amino acid residues 18-459 of SEQ ID NO:2.

7. (Canceled)

A4

2. 8. (Amended) A nucleic acid molecule encoding a fusion protein comprising a first portion and a second portion joined by a peptide bond, said first portion consisting of a polypeptide selected from the group consisting of:

- (a) a polypeptide comprising amino acid residues 19-45 of SEQ ID NO:2;
- A

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- AY conclude
- NO:2;
- NO:2;
- and
- (b) a polypeptide comprising amino acid residues 18-45 of SEQ ID NO:2;
- (c) a polypeptide comprising amino acid residues 1-45 of SEQ ID NO:2;
- (d) a polypeptide comprising amino acid residues 19-149 of SEQ ID NO:2;
- (e) a polypeptide comprising amino acid residues 18-149 of SEQ ID NO:2;
- (f) a polypeptide comprising amino acid residues 1-149 of SEQ ID NO:2;
- (g) a polypeptide comprising amino acid residues 18-459 of SEQ ID NO:2; and
- said second portion comprising another polypeptide.

AS

4 10. (Amended) An isolated nucleic acid molecule according to claim 6, wherein the encoded polypeptide comprises amino acid residues selected from the group consisting of:

- (a) amino acid residues 19-45 of SEQ ID NO:2;
- (b) amino acid residues 18-45 of SEQ ID NO:2;
- (c) amino acid residues 1-45 of SEQ ID NO:2;
- (d) amino acid residues 19-149 of SEQ ID NO:2;
- (e) amino acid residues 18-149 of SEQ ID NO:2;
- (f) amino acid residues 1-149 of SEQ ID NO:2; and
- (g) amino acid residues 18-459 of SEQ ID NO:2.

Sub B

1 11. (Amended) An isolated nucleic acid molecule selected from the group consisting of:

- (a) a nucleic acid molecule consisting of nucleotides 56-136 of SEQ ID NO:1;
- (b) a nucleic acid molecule consisting of nucleotides 53-156 of SEQ ID NO:1;
- (c) a nucleic acid molecule consisting of nucleotides 2-156 of SEQ ID NO:1;
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- AS conclude
- (d) a nucleic acid molecule consisting of nucleotides 56-448 of SEQ ID NO:1;
 - (e) a nucleic acid molecule consisting of nucleotides 53-448 of SEQ ID NO:1;
 - (f) a nucleic acid molecule consisting of nucleotides 2-448 of SEQ ID NO:1;
 - (g) a nucleotide molecule consisting of nucleotides 2-1378 of SEQ ID NO:1; and
 - (h) a nucleic acid molecule consisting of SEQ ID NO:3.

12. (Amended) An expression vector comprising the following operably linked elements:

- a transcription promoter;
- a DNA segment encoding a polypeptide wherein the encoded polypeptide comprises amino acid residues selected from the group consisting of:
 - (a) amino acid residues 19-45 of SEQ ID NO:2;
 - (b) amino acid residues 18-45 of SEQ ID NO:2;
 - (c) amino acid residues 1-45 of SEQ ID NO:2;
 - (d) amino acid residues 19-149 of SEQ ID NO:2;
 - (e) amino acid residues 18-149 of SEQ ID NO:2;
 - (f) amino acid residues 1-149 of SEQ ID NO:2 and
 - (g) a polypeptide consisting of amino acid residues 18-459 of SEQ ID NO:2; and
- a transcription terminator.

22. (New) The isolated nucleic acid molecule of claim 6 wherein the polypeptide further comprises a therapeutic agent.

23. (New) The isolated nucleic acid molecule of claim 6 wherein the polypeptide further comprises a detectable label.

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Amendment and Response

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*all
include*

24. (New) The isolated nucleic acid molecule of claim 6 wherein the polypeptide further comprises an affinity tag.

15 25. (New) The isolated nucleic acid molecule of claim 6 wherein the polypeptide further comprises an enzyme.

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